CARL & TOTAL SERVICE TO A TOTAL STR. GITTER STREET

NEW PROCESS OF HARDENING ARMOR

Said to Be Much More Effective and Economical hardening is dependent upon the time that the current is applied to that particular spot, thus overcoming the difficulty of hardening for a limited distance only. Than Krupp Method.

LIEUT. DAVIS' DISCOVERY

ciently Hardened to Withstand a New Projectile-Experiments by Bethlehem Company.

Without danger of detriment or empersonally concerned, it is now possible to announce that another and most gratifying step toward perfection in modern war devices has apparently been taken through the efforts of an American of The Bethlehem Company is now controlled to the first electric appliance used.

The Bethlehem Company is now controlled to the Gorandesis to the first electric appliance used.

The Bethlehem Company is now controlled to the Gorandesis to the first electric appliance used.

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ness, it is believed, by another process of American invention that may overcome the wonderf I penetration ability secured by the soft-nose armor-piercing shell packed with the high explosive the delay-action fuse.

To appreciate what the possession of a better armor-hardening process than do one of three things: the Krupp means to the United States in the warfare of the future, it is necessary to recall the accomplishments of the army ordnance department.

Krupp Armor Outclassed.

The Times, on Wednesday, told that actual tests had demonstrated that the ordnance department has succeeded in securing a fuse which did not detonate the charge in the projectile until the limit of armor penetration had been knowledged yesterday that he regarded reached, and that shells containing the Licutement Davis' invention as promisarmy high explosive, regarded as the ing. He said he was watching its demost powerful in the world, had been shown to be able to penetrate fourteen inches of armor face-hardened by the

As the thickest Krupp armor on any battleship in the navy, built or project-ed, is, or is to be, only twelve inches, the absolute necessity of securing some better protection was obvious, particu-larly in view of the acknowledgment of the Chief of the Naval Bureau of Ord-nance that the limit of armor weight on

battleships had been reached.

To increase the thickness of the armor beyond twelve inches would be, he said, to reduce the general efficiency of a warship to such an extent that it would be foolish to make the change, and it was therefore necessary to meet the problem presented by the wonderful

feeted after much careful study and ex. return to his duties on August 12.

Cleiand Davis, of the navy-an accomplished and brilliant officer who has de-

Advances in the Process.

Modern warships wer a great improvement.

parings from norses and other animal carbonaceous matter, to a thickness dependent upon the depth of hardened face required mended that the Commissioners take no the depth of hardened face required mended that the Commissioners take no recommendation and Mr. Wilson will be This plate, so covered, was placed in a furnace and kept at red heat for a period averaging two weeks, by which time the carbon from the animal matter scaked into the surface of the steel, increasing its carbon and face-harden-tee it.

This method was expensive and tedious. To carry it out a large plant was required, as the furnaces were useless for the entire period of the hardening work.

At the instance of Daniel Fraser, and conduct. Ulrich is about thirty two on recommendation of the Superintenyears of age. He lives on Twelfth Street southwest.

The officer said that Ulrich on sev-

Since the record-breaking work of the Since the record-breaking work of the strong the modern rifle

the modern rifle.

Lieutenant Davis was a member of the board which witnessed these tests and since then, like his associates in ordinance work, he has been endeavoring to apply his great knowledge of face hardening processes to securing an improvement on the Krupp method. He attacked the problem in a normal way and in a minimar that has probably solved it.

His plan contemplated the use of heavy currents of electricity, directed upon the armor plate while in a heated condition by large carbon anodes, similar to the candle of an arc light, but many times greater in size.

Lieutenant Davis, in his experiments, discovered that a current of electricity sent through such a carbon across an arc and into the surface of a plate carried with it bedily a portion of the carbon of the anode and transferred it into the body of the metal. The spot so treated became intensely hard—harder, it is

body of the metal. The spot so treated became intensely hard—harder, it is claimed, than any other face hardening 20, was charged by his superiors with

Recent Success of Ordnance Department weeks before it become sufficiently preg-Proves Present Armor Plate Insuffi- nated with carbon. Lieutenant Davis | end of | \$1,207.61 hours, the carbon anede traversing the face completely in parallel lines until the surface has been completely covered. As to results the Bethlehem Steel 20, 1901, \$8,246.76; gross carnings, \$196, 174.68, miscellaneous income. \$1.463.10; done five fineh plate produced at their plant, and the outcome has been regarded as sufficiently satisfactory to warrant the development of the process. The only

The Rethlebem Company is now con-The Krupp process of hardening the face of ship armor, regarded generally as giving the greatest resisting power to the protection plates of armored vessels, has been outstripped in effective.

The Rethlehem Company is now constructing another set involving the use of earlier instead of caudies, which, it is expected, will yield absolutely information hardens. The apparently certain result is that American armor plate, under this process, will be used in the latest the process of the produced at far lower figures than it produced at far lower figures than it can be produced in any other country,

Saving in Weight.

Lieutenant Davis' estimate is that he can save from 20 to 50 per cent in the known as "Explosive D," and fitted with weight of a plate, giving resistance equal to a Krupp plate. If this fact is February 1, 1901, were filed yesterday established, it will become possible to

First-To increase by that percentage the armor defensive power of a warship Second—To apply the saving of weight other papers of the deceased at her late to armor, keeping the weight of the defensive power the same, to the increase west. of the battery power, or

the Naval Bureau of Ordnance, who is oqual share with her sister Frances L. noted for his conservatism and caution concerning new war devices.

commanding a navai machine gun launched from the Helena in General MacArthur's campaign against Aguin-

MINOR MUNICIPAL MATTERS OF INTEREST

hardening process.

At the time this was said it was not ton to attend the funeral of the late known outside of a very limited number | Commissioner Ross, will return to Dod- grandchildren. of ordnance experts that a hardening dridge county, W. Va., today to spend the process regarded as superior to the halance of his leave of absence. He will krupp method had been practically pertern to his duties on August 12.

> The Commissioners have approved the den of the Reform School for Girls,

Caverly. Swann & Wilkins, James lice that he would have to desist ring-lockhead & Co., Ed. J. Hannan, William Lockhead & Co., Ed. J. Hannan, William when the permit granted members of corner of Savannah and Third Streets aroused, and he was taken to No. P. Flack, J. William Harper, Charles E. his craft to use the bell had been re-portheast. It is expected the structure police station. He will be held pending by plain steel, and later by nickel Barrick, and Charles E. Deasez, master seinded.

Will cost about \$50,000. After its compliant by plainbers, have failed to report plumbing plumbers, have failed to report plumbing a great improvement.

Will cost about \$50,000. After its compliant in the cost about \$50,00 work done by them for final inspection. The armor plate in this process was He recommendes the sending of notices covered with a compound of animal to them to make such report as re- ing of bells by scissors grinders that charcest and "scraps," composed of quired by section 125 of the plumbing the police regulations be so amended that parings from horses' hoofs, leather, regulations this class of craftsmen may ring belli

dent of Police, the Commissioners have bring work.

The Krupp process followed and worked revolution. The method employed by the great Germansgunmaker consisted in using a highly carbonated gas, directed by many gas jets upon the face to be hardered. At a red heat the police force, for duty in and about the premises 458 and 460 Pennsylvania Avenue nue northwest.

Street southwest.

The officer said that Ulrich, on several occasions, had beaten his wife and driven her from home, but that she had repeatedly declined to prosecute.

Conveys Valuable Property.

The Commissioners have directed that Castle Manor, containing 24.89 acres, and

The Commissioners have written to

process can yield. And the depth of the conduct unbecoming a policeman, and

found guilty before the tr'al board. The charge against Hambacher was that of entering the premises of J. William Weber, of 401 H Street northeast, and abstracting property therefrom. On rec-ommendation of the Superintendent of Police, Hambacher has been dismissed rom the force.

The Commissioners have approved a recommendation of the Inspector of Plumbing that W. E. Quinter be granted mber upon the filing of a satisfactory

WILLS FILED FOR PROBATE.

Last Testament of Mary D. Ramsay Bequeaths Estate to Daughter.

The will of Mary D. Ramsay, dated June 21, 1895, and a codicil thereto, dated for probate. The will was offered by and the Matilda J. Ramsay, who states it was found in a box containing securities and other papers of the deceased at her late

The testatrix directs the following dis-Third—To increase the coaling capacity and consequently the steaming radius of a ship by a large percentage.

Rear Admiral Charles O'Neil, chief of and also her household furniture in money, notes, mortgages, and book accounts, and premises 3437 Vermont Avenue, Chicago, III; premises 29 University velopment with deep interest.

In regard to the tests of the 5-inch plate, treated by Lieutenant Davis's method, he said that in his opinion the process was not at fault, which iay, he believed, in imperfect treatment.

Lieutenant Davis served on the Helena in the West Indies in the war with Spain, and later in the Philippines during the active period of insurrection. He was advanced ten numbers in his grade for gallantry while commanding a naval machine gun resterday, she leaves her estate to her

vesterday, she leaves her estate to her

yesterday, she leaves her estate to her stepdaughter, Elizabeth R. Henderson, who is named executrix. Erastus H. Taylor, by his will, dated January 19, 1891, filed for probate, leaves his estate to his wife, Jane Augusta Tay-lor. The beneficiary is named executrix without bond.

Harman R. Linthleum, by his will, dated June 25, 1891, leaves his estate to his wife, Mary C. Linthleum, for life. the problem presented by the wrong it success of the army by increasing, it success of the army by increasing, it possible, the effective resistence of arm mor beyond that given by the Krupp Street Cleaning, summoned to Washing Upon her death he directs that the properties of the late of the l

MAY RING SMALL BELLS.

Scissors Grinders to Be Allowed to Solicic Trade as of Old.

William H. Wilson, a scissors grinder, plished and brilliant officer who has devoted himself to ordnance work, and is show attached to the Naval Bureau of Ordnance. Just what he has done may be better understood by the layman from a brief statement of the methods employed by other processes to make armord better adapted to withstand the fire of the Reform School for the Reform School for the Reform School for the Reform School for this who asked that Miss Anna H. Murray be appointed teacher in the school, to take effect July 8.

The Inspector of Plumbing has notimated the fire of the Reform School for this who asked that Miss Anna H. Murray be appointed to the District Commissioners asking whether acissors grinders would be permitted to ring bells to notify householders of their presence in the vicinity. Mr. Wilson states that he was informed by the positive of the Reform School for t

has recommended that in the absence of any regulation pertaining to the ringthis class of craftsmen may ring bella of a size which will not disturb people

Six Months for Disorderly Conduct.

Judge Bundy yesterday sent William H Ulrich to the workhouse to serve six months on a charge of disorderly

face to be hardered. At a red heat
the plate absorbed the excess carbon
from the gas just as it absorbed the
sanimal charcont in the Horveyed plate,
and with greater uniformity and seconomy of treatment.

Armor treated by the Krupp process
was adopted as the standard in the
United States Navy.

Harder Face Needed.

From the daily reports furnished to
the Commissioners by the United States
Inspector of Gas and Gas Meters, it is
learned that the illuminating gas furnished by the Georgetown Gaslight
Company is of 24.34 candle power, and
is without the presence of sulphureten
hydrogen.

James W. Somerville yesterday placed
on file a deed by which he conveys to his
brothers, Thomas and William H. H.
Somerville, all his interest in lots 8, 15,
16, and part of 13, in square 258. The
Company is of 24.34 candle power, and
is without the presence of sulphureten
hydrogen.

EXCESSIVE WASTE OF POTOMAC WATER

(Continued from Second Page.)

police, Hambacher has been domissed from the force.

(Cantinuel from Second Page.)

(Cantinuel from Second Page.)

The Potomac Electric Power Company and building 274 linear feet of the cost defective plumbing and willful waste.

The Potomac Electric Power Company and building 274 linear feet of the cost defective plumbing and willful waste.

The Potomac Electric Power Company and building 274 linear feet of the cost wall. The wall was built of concrete in such that the current is applied to that particular spot, thus overcoming the difficulty of hardening for a limited distance only.

Advantages of New Method.

Extraordinary results in the matter of time saving, which means greater economy in plate making, have been secured by Licentenant Davis. The ordinary or Krupp plate is kept "soaking" at a red heat for from two to three weeks before it become sufficiently presuated with carbon. Licence native Davis has reached the same result in five hours, the carbon anede traversing the force.

A similar report from the United supply and building 274 linear feet of the cost wall. The wall was built of concrete in wal

logs made.

Four lines of forty-eight-inch castron pipe have been laid between the gatchouse and the clear water reservoir. Thirty-eight twelve-foot lengths of pipe and four bends were used in these lines. They were carried under the sewer, which was supported on timbers until he pipe lines were completed, when

The excavation for the foundation of the intake and part of the trench for the four lines of forty-eight-inch pips connecting it with the pumping station ters has been brought to the attention has been made. The concrete substructure of the intake has been completed proval. and the four forty-eight-inch sluicy gates set. The concrete used in this work was similar to that in the east wall of the clear-water reservoir. The four pipe lines were laid for a distance this prevent an abundant supply for all pur-enst poses, will result in a less water rate or The expense to consumers, and would throw tance the burden of waste where it belongs, on of forty-eight feet from the intake. They the shoulders of the careless and willconcrete used in the intake was 360 of cons

the following is Major Williams' offi-

"Careful and trustworthy investigations and measurements made in various ing plant. In order that this subject cities in the United States show very may have proper consideration, with duc clearly that a per capita dally consumption and provision, a survey of "Careful and trustworthy investigaclearly that a per capita dally consumption of 160 gallons is ample for all dopracticable routes is essential. These mestic, business and public purposes, and that any considerable increase above and an estimate for such surveys is subthis amount must be attributed to waste, mitted with this report."

SHEDS MUST BE ALTERED.

AWARDS FOR LUCKY TICKETS.

Street Railway Employes' Association

Votes Prizes to Coupon Holders.

Employes' Relief Association'
Holder of ticket No. 7230 has been voted the parlor cor round trip ticket to Atlantic City; holder of ticket No. 4215 has been voted 319 worth of street car tickets; holder of ticket No. 2464 has been voted 319 with of ear tickets. The

arties having these tickets may re

ceive the awards is presenting their coupons to Mr. Lee, at Fourt-enth and East Capitol Streets within thirty days.

TRIED TO PAWN GOLD WATCH.

Negro Suspected of Not Being Rightful

Owner and is Arrested. Detective Sergeants Peck and Corn-

vell yesterday arrested Sherman San-

ders, a well-dressed negro, whom they

een voted \$5 worth of car tickets.

Property Owner's Request Unfavorably Reported by Building Inspector.

Mr. A. S. Belote recently wrote to the District Commissioners requesting of the Washington railway system, anthat a woodshed erected in the rear of nounces the following awards to the premises 1320 D Street northwest be allowed to remain without alterations. The request was made the subject of an investigation by the Inspector of Buildings. It was shown that the pres-

ent conditions are in violation of the regulations, and the office insists that changes shall be made and the shed altered to conform with the regulaions-that is, that the combined sheds in the yard shall not exceed 250 square feet and leave no encroachment on the ten foot space set spart for light and Mr. Belote will be informed by the commissioners that his request cannot

be favorably considered. Juvenile House of Studies.

The Marist Fathers of this country have engaged a well known architect of found endeavoring to pawn a handson this city to draw up plans and specifi-cations for their projected Juvenile vania Avenue. Owing to the man's pre-

DEMANDS HEAVIER BOND OF EXECUTORS

Justice Hagner Issues Rule in Lacey Will Case.

Allegations of John W. Moore, of Kansas, Who Received But \$5 Under the Will.

Justice Hagner presiding in Probate Court yesterday algued an order requiring the executors of the estate of the fate Mrs. Margaret M. Lacey to show cause on August 5 why their hand should not be increased to \$20,000, instead of \$500, the present amount.

"A filtration plant has been authorized Mrs. Lacey, who was an old resident by Congress, and is now being conof Washington, dled February 8, 1982, a structed by this office. It is probable her home on F Street, where she had structure for the gatehouse, the walls that the cost of filtration will be about been living for many years. She left an and passageways cleaned, the ironwork \$5 per 1,000,000 gallons, or, at the pres- estate composed of real property of the painted, the orick cross wall in the cen- cut rate of consumption, about \$300 per approximate value of \$50,000, together tral chamber built and screens and step day, or \$110,000 annually. This is a large with a large sum in bank, and personal charge, and can only be reduced by a re- property appraised by the court officers duction in consumption.
"The existing conditions suggest two
remedies, either the reduction of consumption to a reasonable rate, 100 galat \$10,250, in stocks, bonds, notes, and personal effects, included in which are a number of shares of the Ohio National

Distribution of Property.

lons per capita per diem, or the increase of the present supply to keep up with the present unreasonable and extravagant demand of 193 gallons per capita In her wil In her will she distributed the propcrty to a number of her relatives, those the pipe lines were completed, when the concrete piers were carried up between the pipe lines and the excavation by the introduction of meters. This is a positive and certain method, and has clement M. Sites, who is employed by been shown by actual experience to be the Chinese government. He is at pres-perfectly feasible. However, whenever this subject of the introduction of me-this subject of the introduction of meformerly the principal of one of the high schools in this city. In her will Mrs. Lacey appointed Sars M. Sites, Ruth Brown, and Henry D. Gordon as execu-tors, who gave bond in the sum of \$500.

Undue Influence Charged.

About a month ago Brandenburg & Brandenburg, attorneys for John W. of forty-eight feet from the intage. They the shoulders of the carried and the extended under the sewer, which was fully negligent consumers.

"The second remedy is an increase of brother of Mrs. Lacey, the decedent, the water supply to meet future deflied a caveat to the will, alleging that the same was made under undue influthe same was made under undue influ-ence. Mr. Moore was left but \$5 under the will. The petition filed yesterday by Bradenburg & Braden-burg alleges that the personal prop-erty is being removed beyond the jurisdiction of the court to the great "This involves the building of a second conduit from the Great Falls of the Potomac, with the necessary reservoirs, if danger of the caveator, Sara M. Sites and Ruth Brown, two of the executors being residents of the State of Connec ticut. It is claimed that the interests of Mr. Moore are being seopardized by per-mitting the property to get beyond the jurisdiction of the court.

Germany Continues Duty on Rails.

BERLIN, Aug. 1 .- At today's meeting of the tariff commission of the Reichstag. It was agreed to continue the ex-Mr. R. E. Lee, general superintendent isting duties on steel rails.

H. T. TAGGART, JR., INJURED.

Son of Local District Attorney Sprains Ankle at Atlantic City.

(Special to The Washington Times.) ATLANTIC CITY, Aug. 1.—While irelicking on the Strand with a number of triends, late yesterday afternoon, liugh T. Taggart, jr., a lawyer, and son of the den. Hugh T. Taggart, United States District Attorney of Wash ington, met with a rather painful acci-dent. Mr. Taggart had just come out of the water and was extching a ball with a friend, when he sprained his

While on his way up the beach directly after, Mr. Taggart had a narrow escape from being run down by a bus iriven by a reckless driver. This is Mr. that there is no resort like Atlantic City, he will undoubtedly carry back unpleasant as well as pleasant



ness or misery. The dull, anken eye, with its dark circles almost surely speaks of womanly ill-health, and its attendant suffering. With the dull eye goes usually the sallow, maken cheek, the drawn mouth, the shrunken form—the whole glory of woman's beauty marred by the

Dr. Pierce's Favorite Prescription cures the diseases which undermine the health and mar the beauty of women. It establishes regularity, tries weakening drains, heals inflammation and ulceration, and cures female weakness.

Sick women are invited to consult Dr. Pierce by letter free, and so obtain the advice of a specialist upon their disease.
All correspondence is strictly private
and sacreily confidential. Address Dr. R. V. Pierce, Buffalo, N. Y.

R. V. Pierce, Buffalo, N. V.

"With pleasure I send a few lines to let you know that I feel much bether than for eight years before taking your medicine," writes Mrs. Pierce Teles, of 12 West Phila Street, York, Pa.

"Will recommined Dr. Pierce's medicine to every person who may inquire as to what it has done for me. I was troubled with female weakness, and began to think I would never be well. If I had continued the treatment prescribed by my doctor I don't know what would have become of me. When your treatment was commenced my weight was not pounds, at present it is 130. Have healthy color and my friends say I look well. My best thanks to you and my best wishes, too, for what you have done for me."

"Pavorite Prescription" makes weak women strong, sick women well. Accept no substitute for the medicine which works wonders for weak women.

Dr. Pierco's Pleasant Pellets cleanse

the clogged system from accumulated impurities.

T-H-E H-U-B F-U-R-N-1-T-U-R-E C-O., Seventh and D Sts.

A STIRRING SALE

Furniture and Mattings.

WO things make this sale noteworthy—the high quality of the stock and the low prices at which we are cleaning it out! ONLY TEN DAYS REMAIN before we start in to make improvements, and the urgency of the sale forces us to still further price concessions.

GO-CARTS.

About thirty styles of the newest patterns-all prominent makes-at just half what they would cost you elsewhere. We mention in particular an elaborate Go-Cart with handsome parasol at \$8.95-would cost you elsewhere \$16.

PARLOR SUITES.

5-Piece Parlor Suites......\$12.75 Fine Silk Damask Parlor Suites\$25,00 BEDROOM SUITES. Solid Oak Bedroom Suites........\$12.50 Large, Nicely Carved Oak Bedroom Suites\$15.50

COUCHES.

SIDEBOARDS.

CHIFFONIERS. Large 5-Drawer Oak Chiffonier. \$3.75 Large 5-Drawer and Hat Box Chiffonier. \$4.50

REFRIGERATORS. The balance of this stock of Baldwin Refrigerators and Ice Boxes at one-half former price. This is an opportunity to buy a first-class refrigerator for less money than you pay for a cheap

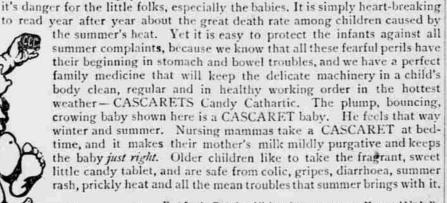
IRON BEDS AND CRIBS.

MATTINGS. CHINA AND JAPAN MATTINGS AT YOUR OWN PRICES.

RARE BARGAINS IN THE WAY OF ODD DRESS-ERS AND WASHSTANDS, EALL RACKS, CHINA CLOSETS, BOOK CASES, MIRRORS, HALL SEATS, PARLOR TABLES, DESKS, MORRIS CHAIRS, FANCY ROCKERS, COSTUMERS, ETC. REMEMBER, TEN DAYS REMAIN OF THIS SALE.

Safe From Summer Complaints All mammas, and papas too for that matter, dread the heat of summer with

Coke Dandruff Cure. In \$1.00 and 50c bottles.



IS YOUR FATHER BALD?

That's no reason why YOU should be. A healthy scalp will

grow healthy hair. Keep dandruff, dry, brittle hair and scalp

COKE

DANDRUFF

CURE

The only guaranteed remedy for hair and scalp ailments. Indorsed by physicians, barbers, and millions of daily users the world over. Don't think of using anything but the genuine

FOR SALE BY HENRY EVANS COKE CREAM FOAM In toles A brush is all you med. Antiseptic. Saves time. Makes fixed lattler immediately. Leaves the skin soft and velvety. SEND 10c FOR 39 SHAVE TURE TO A. R. BREMER CO., CHICAGO.

Best for the Bowels. All druggists, 10c, 25c, 5oc. Never sold in bulk. The genuine tablet stamped C. C. G. Guarranteed to cure or your money back. Sample and booklet free. Address.

Sterling Remedy Co., Chicago or New York.